



  
**GREEN RACING™**  
from the *raceway* to your *driveway*



## Porsche Head of Motorsports Celebrates Winning Inaugural 2008 Green Challenge

From left, Scott Atherton, President and CEO of ALMS; David Schutt, Executive Vice President of SAE International; Hartmut Kristen, Head of Motorsports, Porsche AG; Patrick Davis, Program Manager of Office of Vehicle Technologies, U.S. Department of Energy; and Margo Oge, Director of the Office of Transportation and Air Quality, U.S. Environmental Protection Agency.

For more information on the history of Green Racing and associated programs, please visit [www.greenracingcup.org](http://www.greenracingcup.org).



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## What Is the Goal of Green Racing?

Green Racing uses motor sport competitions as a platform to help rapidly introduce technologies to consumers that improve fuel economy and reduce greenhouse gases without compromising performance. Green Racing seeks to leverage relationships with participating race organizations, automotive manufacturers, worldwide energy suppliers and race fans to move advanced vehicle technologies and renewable fuels from the raceway to your driveway.

## How Does Green Racing Plan to Achieve this Goal?

By testing new technologies in the extreme conditions of the racetrack, Green Racing aims to prove that vehicles with improved fuel economy and reduced greenhouse gases can meet the demands of both race car drivers and the American public. Motor sports inspire and capture the imagination of millions of race fans who make car-buying decisions that are influenced by what they see on the race track. Green Racing uses educational tools to inform the racing community how small changes in efficiency, fuel choices and advanced technologies improve vehicle performance on the racetrack and in the consumer marketplace.

## Why Is Racing a Good Tool to Develop Green Technology?

The extreme conditions of the racetrack embody the perfect testing grounds for automotive technology development. Historically, motor sports have spurred innovations in safety, durability, performance, tire technology, and more, because the speed at which technology development occurs in racing is usually much faster than in normal manufacturer product development.

## How Does Green Racing Work?

The Green Racing Protocols developed in collaboration with the U.S. Department of Energy, the U.S. Environmental Protection Agency and SAE International provide a framework of fuels and specifications, which sanctioning bodies must follow for the event to be recognized as a *Green Racing* event. The protocols promote the development of energy-efficient technologies, and the reduction of greenhouse gases through the use of renewable fuels, advanced efficiency technologies and regenerative energy powertrains (hybrids). These protocols can be adapted for any racing series.



## What Is the Green Racing Award?

The Green Racing award is based on a score which takes into account the amount of fuel consumed during the race, distance completed, speed, energy efficiency, and the amount of greenhouse gases emitted during the race. The scores are calculated based on the average speed and the distance of each race, weights of the race vehicles, and the different classes of vehicles. In this way, an accurate and fair score for each vehicle can be produced. The overall score, starting at 250 points, decreases with each race in an attempt to earn a perfect score of zero at the end of the season.

